Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

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 (currently amended) A heptanoic acid antimicrobial composition comprising: in the range of 0.01 to 5 wt. % of an antimicrobial component consisting essentially of heptanoic acid; and

greater than 60 wt. % of a freezing point depressant component comprising propylene glycol and glycerin.

2-5. (canceled)

- 6. (previously presented) The antimicrobial composition of claim 1, wherein the freezing point depressant component consists of a mixture of propylene glycol and glycerin.
- 7. (original) The antimicrobial composition of claim 1, wherein the composition has a freezing point of below 32°F.
- 8. (original) The antimicrobial composition of claim 1, wherein the composition has a freezing point of below 20°F.
- 9. (original) The antimicrobial composition of claim 1, wherein the composition has a freezing point of below 10°F.
- 10. (original) The antimicrobial composition of claim 1, wherein the composition has a freezing point of below 0°F.
- 11. (original) The antimicrobial composition of claim 1, wherein the composition has a freezing point of below -10°F.

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- 12. (original) The antimicrobial composition of claim 1, wherein the composition has a freezing point of below -20°F.
- 14. (original) The antimicrobial composition of claim 1, wherein the freezing point depressant component makes up greater than 65 wt. % of the total composition.
- 15. (original) The antimicrobial composition of claim 1, wherein the freezing point depressant component makes up greater than 70 wt. % of the total composition.
- 16. (original) The antimicrobial composition of claim 1, wherein the freezing point depressant component makes up greater than 75 wt. % of the total composition.

17-18. (canceled)

19. (currently amended) A method for controlling mastitis in milk producing animals, the method comprising:

applying a heptanoic acid antimicrobial composition to a teat of [[an]] a milk producing animal, wherein the heptanoic acid antimicrobial composition comprises:

in the range of 0.01 to 5 wt. % of an antimicrobial component consisting essentially of heptanoic acid; and

greater than 60 wt. % of a freezing point depressant component comprising propylene glycol and glycerin.

20. (currently amended) The method of claim 19, wherein the antimicrobial composition is applied in environmental temperatures of below 40°F or is applied to the teat of [[an]] the milk producing animal that will be exposed to environmental temperatures of below 40°F within 12 hours of the application.

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- (previously presented) The method of claim 20, wherein the environmental 21. temperatures are below 30°F.
- (previously presented) The method of claim 20, wherein the environmental temperatures are below 20°F.
- (previously presented) The method of claim 20, wherein the environmental 23. temperatures are below 10°F.

24-27. (canceled)

- 28. (currently amended) The method of claim 19, wherein, wherein the freezing point depressant component consists of a mixture of propylene glycol and glycerin.
- (original) The method of claim 19, wherein the composition has a freezing point 29. of below 32°F.
- (original) The method of claim 19, wherein the composition has a freezing point 30. of below 20°F.
- 31. (original) The method of claim 19, wherein the composition has a freezing point of below 10°F.
- 32. (original) The method of claim 19, wherein the composition has a freezing point of below 0°F.
- (original) The method of claim 19, wherein the composition has a freezing point 33. of below -10°F.

- 34. (original) The method of claim 19, wherein the composition has a freezing point of below -20°F.
- 35. (original) The method of claim 19, wherein the freezing point depressant component makes up greater than 65 wt. % of the total composition.
- 36. (original) The method of claim 19, wherein the freezing point depressant component makes up greater than 70 wt. % of the total composition.
- 37. (original) The method of claim 19, wherein the freezing point depressant component makes up greater than 75 wt. % of the total composition.
- 38. (previously presented) The antimicrobial composition of claim 1, wherein the freezing point depressant component consists essentially of a mixture of propylene glycol and glycerin.
- 39. (previously presented) The method of claim 19, wherein the freezing point depressant component consists essentially of a mixture of propylene glycol and glycenin.
 - 40. (canceled)
 - 41. (canceled)
- 42. (previously presented) The antimicrobial composition of claim 1, further comprising rheology modifier, lanolin, surfactant, sequestrant, or mixture thereof.
- 43. (previously presented) The method of claim 19, wherein the composition further comprises rheology modifier, lanolin, surfactant, sequestrant, or mixture thereof.